VEL'YASHEV, L.

In the typewriter department. Prom.koop. no.7:58-59 J1'55.
(MIRA 8:11)

1. Nachal'nik tsekha mashinopisi arteli imeni 800-letiya Moskvy (Typewriting)

VEL YASHEV, Lev Nikolayevich; KRAVCHENKO, Semen Mikhaylovich;
BARINOVA, O.N., red.; TRUSCV, N.S., tekhn. red.

[Design and repair of office typewriters] Konstruktsiia i remont kantseliarskikh pishushchikh mashin. Moskva, Gosbytizdat, 1963. 198 p. (MIRA 16:11) (Typewriters)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859320017-5"

VELYAVSKIY, A.H.

Increasing the mechanical resistance of iron castings and reducing machine weight. Proisv.-tekh.inform. no.5:3-22 152.

(MLRA 10:3)

1. Nachal'nik laboratorii Shcherbakovskogo savoda poligraficheskikh mashin. (Cast iron) (Machinery-Design)

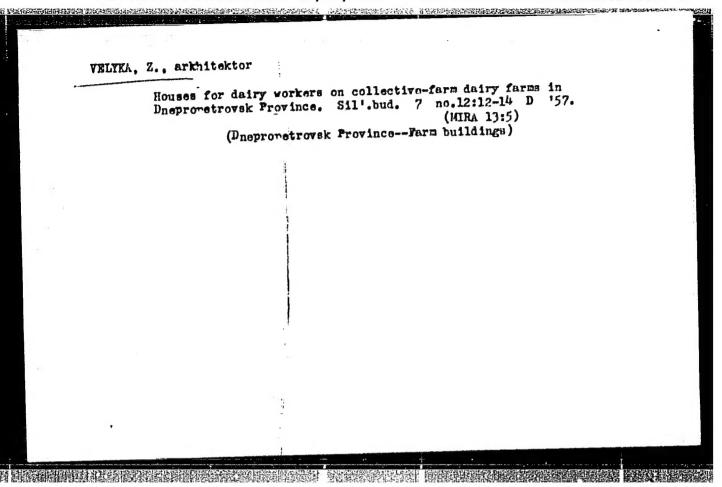
VELYAYEVA, Z.V.

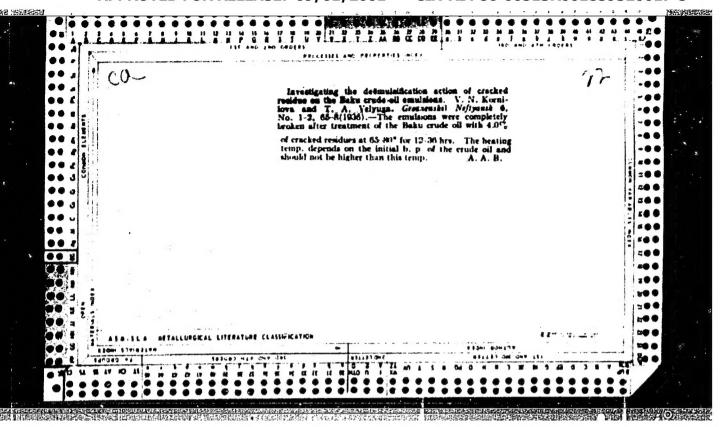
Functional state of the vegetative nervous system in peptic ulcer. Ter. arkh., Moskva 24 no. 5:50-57 Sept-Oct 1952. (CIML 23:3)

1. Of the Therapeutic Sector (Head -- Prof. M. V. Chernorutskiy, Active Hember of the Academy of Medical Sciences USSR), Institute of Physiology imeni I. P. Pavlov (Director -- Academician K. M. Bykov), Academy of Sciences USSR and of the Hospital Therapeutic Clinic, First Leningrad Medical Institute imeni I. P. Pavlov.

VELYCHKO, Myko	ola			1 1 2	
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VELYCHKO, Sami Nic.		wii		94 9 9 99
Skazanie o voinie kozatskoi z poliakamy. rys'menstva, t. 1)	U Kyivi, 1926.	268 F. (P.	amiatky ukrains	koho
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VEL'YASHKY, Lev Mikolayevich; ERAVCHENKO, Semen Mikhaylovich; SHELYUTTO,
Is.P., red.; ZATTSEVA, L.A., tekhn.red.

[Repairing calculating machines] Remont arifmometrov. Moskva,
Vass.koop.iad-vo. 1960. 77 p. (MIRA 13:11)

(Calculating machines—Maintenance and repair)

VELYASHEY, Lev Nikolayevich; KRAVCHENKO, Semen Mikhaylovich; SHELYUTTO, Ye.P., red.; OVCHINNIKOVA, G.I., red.; ZAYTSEVA, L.A., tekhn. red.

[Maintenance and repair of typewriters] Remont pishushchikh mashin.
Moskva, Gos. izd-vo mestnoi promyshl. i khudozh. promyslov RSFSR,

(MIRA 14:11)

(Typewriters-Maintenance and repair)

VELIVASHEV, Lov Nikolayovich; KHAVCHENKO, Semon Mikhaylovich;

KCHAROVA, V.V., red.; TRUSOV, N.S., tekhn. red.

[Repair of typewriters]Remont portativnykh pishushchikh mahin. [n.p.] Gosmostpromizdat, 1962. 139 p. (MIRA 15:10)

(Typewriters—Repairing)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859320017-5"

VELIKAYA, R.R. [Velyka, R.R.]

Electric activity of neurons of the visual cortex in rabbits.

Piziol.zhur. [Ukr.] 10 no.4:450-459 J1-Ag 164. (MIRA

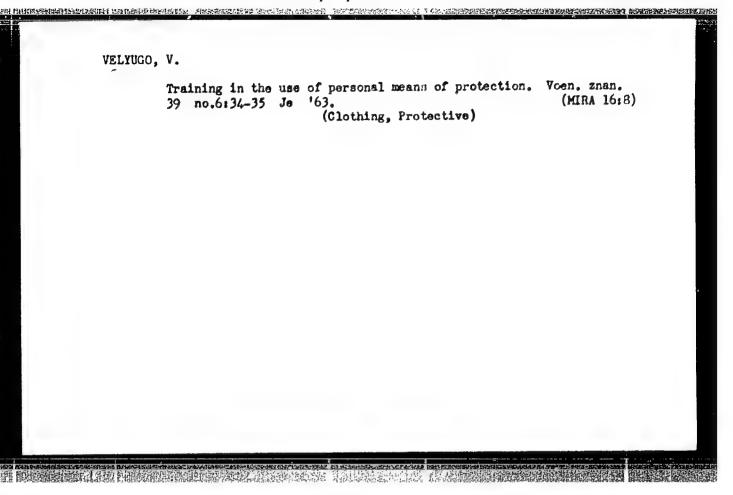
MIRA 18:11)

1. Otdel nevrologii i neyrofiziologii i laboratoriya obshchey fiziologii Instituta fiziologii im. A.A.Bogomol'tsa AN UkrSSR, Kiyev.

VELTUGO, V.

Training instructors of the Society for "Ready for entiaircraft Defense." Youn. znan. 34 no. 6:18 Je '58. (MIRA 11:8)

1. Inspektor Tentrel'nogo Komiteta Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu SSSR. (Air defenses)



BABKIN, I.A.; VELYIGO, V.M.; DIVAKOV, P.D.; ZAPOLISKIY, G.N.; KIPRIYAN, K.M.; KISELEV, W.G.; KORABLEV, M.D.; SILKOV, G.A.; SMORODIN, I.Ya.; KANEVSKAYA, M.D., red.; GERASIHOVA, V.M., tekhn.red.

HATERITATION DESCRIPTION DE LE CONTROLLE DE LA CONTROLLE D

[Manual for training and testing for a first-class rating in the organization "Ready for Antiaircraft Defense."] Uchebno-meto-dicheskoe posobie po provedeniju tranirovok i priemu norm "Gotov k PVO" 1-i stupeni. Moskva, Izd-vo DOSAAF, 1959. 110 p.

(MIRA 12:5)

1. Vsesoyuznoye dobrovol'noye obshchestvo sodeystviya armii, aviatsii i flotu.

(Civil defense)

BEZGINOV, I.P., professor-prepodavatel', polkovnik,; VELYUGO, V.M., professorprepodavatel', polkovnik,; GERASIMOV, A.I., professor-polkovnik, polkovnik,; LEBEDEV, A.I., professor-prepodavatel, polkovnik,; MILYUTENKOV, D.M., professor-prepodsvatel', polkovnik, : PROKHORKOV, I.I., professor-prepodavatel', polkovnik,; SEKACHEV, V.I., professorprepodavatel', polkovnik, : SOROKIN, V.N., professor-prepodavatel', polkovnik,; UKHOV.H.E.,professor-prepodavatel ,polkovnik,; FEDOTOV, B.I., professor-prepodavatel , polkovnik,; SHIRYAKIN, N.V., professorprepodavatel ,polkovnik,; SHMRLEV, M.S., professor-prepodavatel, polkovnik,; ANISIMGV, N.I., professor-prepodevatel, polpolkovnik,; BULATOV, A. A., professor-prepodavatel', podpolkovnik,; SIDORENKO, A.A., professor-prepodavatel, podpolkovnik,; SHKODUNOVICH, H.N., general-leytenant, glavnyy red.; BANNIKOV, H.K., polkovnik, red.; DAVYDOV, F.M., polkovnik, red.; LOZOVOY-SHEVCHENKO, V.M., general-mayor. aviatsii, red.; SHIPOVA, B.V., polkovnik, red.; MOROZOV, B.N., polkovnik, red.: VOLKOVA, V.E., tekhn. red.

[Concise dictionary of operational-tactical and general military terms] Kratkii slovar' operativmo-takticheskikh i obshchevoennykh slov (terminov). Moskva, Voen. izd-vo M-va obor. SSSR, 1958. 323 p. (MIRA 11:11)

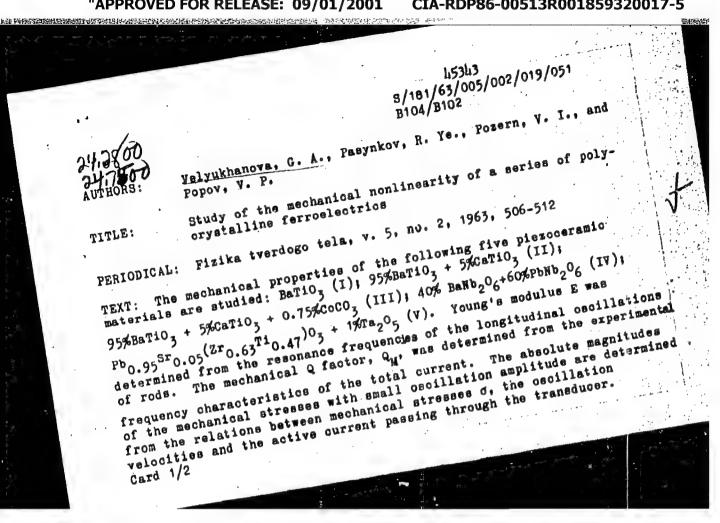
1. Moscow. Voyennaya akademiya imeni M.V.Frunse. 2. Krasnosnamennaya, ordena Lenina i ordena Suvorova 1-y stepeni Voennaya akademiya imeni M.V.Frunse (for all except Shkodunovich, Bannikov, Davydov, Lozovoy-Shevchenko, Shipova, Morozov, Volkova).

(Military art and science--Dictionaries)

VELYUKHANOVA, G.A.; PASYNKOV, R.Ye.; POZERN, V.I.; ELIGARD, A.M.

Piezoelectric properties of polarized ceramics in strong variable electric fields. Izv. AN SSSR Ser. Fiz. 24, no.11:1362-1365 N 160.
(MIRA 13:12)

(Ceremics—Electric properties)
(Piezoelectricity) (Electric fields)



Study of the mechanical nonlinearity ... B104/B102

Results: $Q_{\mathbf{M}}(\sigma)$ and $\mathbf{E}(\sigma)$ remain virtually constant in the frequency range from 10 to 40 kc/sec. The qualitative agreement between the changes of the real and the imaginary part of E indicates a close connection between elastic deformations and the attendant losses of mechanical energy. The relations between the mechanical properties $(\mathbf{E}(\sigma), \tan \sigma_{\mathbf{M}}' = 1/Q_{\mathbf{M}})$ and the electrical properties $(\mathbf{E}(\mathbf{E}), \tan \sigma_{\mathbf{M}}' = 1/Q_{\mathbf{M}})$ and the electrical properties $(\mathbf{E}(\mathbf{E}), \tan \sigma_{\mathbf{M}}' = 1/Q_{\mathbf{M}})$ and the (R. Gerson, J. Appl. Phys., 31, 1, 188, 1960; J. Acoust. Soc. Am., 32, no. 10, 1297, 1960) are confirmed. There are 8 figures and 2 tables.

SUBMITTED: August 27, 1962

Card 2/2

THE REPORT OF THE PROPERTY OF

VELYUKHANOVA, G.A.; PASYNKOV, R.Ye.; POZERN, V.I.; POPOV, V.P.

Study of the mechanical nonlinearity of certain polycrystalline ferroelectrics. Fiz. tver. tela 5 no.2:506-512 F *63.

(MIRA 16:5)

(Perroelectric substances—Testing)

9.2181 (3203,2303) 24.7800 (1144,1162)

S/048/60/024/011/015/036 B006/B056

AUTHORS:

Velyukhanova, G. A., Pasynkov, R. Ye., Pozern, V. I.,

El'gard, A. M.

TITLE:

The Piezoelectric Properties of Polarized Ceramics in

Strong, Variable Electric Fields

PERIODICAL:

Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1960,

Vol. 24, No. 11, pp. 1362 - 1365

TEXT: The present paper is a reproduction of a lecture delivered on the 3rd Conference on Ferroelectricity, which took place in Moscow from January 25 to 30, 1960. Under the same assumptions as made in Ref.1, the authors calculated the dependence of the piezomoduli d_{33} and d_{31} upon electric field strength; for the case of tetragonal symmetry, they obtain $d_{33}^{(1)}(E) = \frac{2v_{33}}{2} \frac{P_{oz}}{P_{oz}} \epsilon^{(1)}(E)$; $d_{33}^{(1)}(E) = \frac{2v_{33}}{2} \frac{P_{oz}}{P_{oz}} \epsilon^{(1)}(E)$; the super-

 $d_{33}^{(1)}(E_z) = \frac{2\nu_{33}}{4\pi} \frac{P_{oz}}{4\pi} \mathcal{E}_{zz}^{(1)}(E_z); d_{31}^{(1)}(E_z) = \frac{2\nu_{31}}{4\pi} \frac{P_{oz}}{4\pi} \cdot \mathcal{E}_{zz}^{(1)}(E_z); \text{ the superscript (1) denotes that the first harmonic is investigated; the } \nu_{ik}$ are

Card 1/3

The Piezoelectric Properties of Polarized S/048/60/024/011/015/036 Ceramics in Strong, Variable Electric Fields B006/B056

the electrostriction coefficients, P_{oz} the components of polarization. It further holds that $\mathcal{E}_{zz}^{(1)}/\mathcal{E}_{zzo} \approx d_{33}^{(1)}/d_{330} = d_{31}^{(1)}/d_{310} = f(e_z)$. The third subscript o means that the moduli have been measured in the case of very weak fields. The field strength dependence of the piezo-moduli was measured on cylindrical samples which were radially and tangentially polarized, viz. for the following substances: 1) BaTiO₃, 2) 95%BaTiO₃ + 5%CaTiO₃, and 3) BaTiO₃ + 0.75% CoCO₃. To the sample (which was in the air), pulses with 8 kc/sec were applied with a pulse duration of 5 msec; the mechanical resonance frequency was about 15 kc/sec. The temperature of the samples, which practically did not change either at ~8 kv/cm, was controlled by means of thermocouples, and could be varied between -20 and +40°C. The results obtained, which are shown in diagrams, may be summarized as follows: 1) the ratio $d_{ik}^{(1)}/d_{ik0}$ in all samples increases with the field strength (up to ~4.5 kv/cm), 2) in fields of more than 4.5 kv/cm, $d_{ik}^{(1)}/d_{ik0}$ decreases rapidly for BaTiO₃, and less rapidly for Card 2/3

The Piezoelectric Properties of Polarized
Ceramics in Strong, Variable Electric Fields

S/048/60/024/011/015/036

B006/B056

the second composition, and increases further for the third composition of the samples. 3) The behavior of d(1) and d(1) agrees qualitatively.

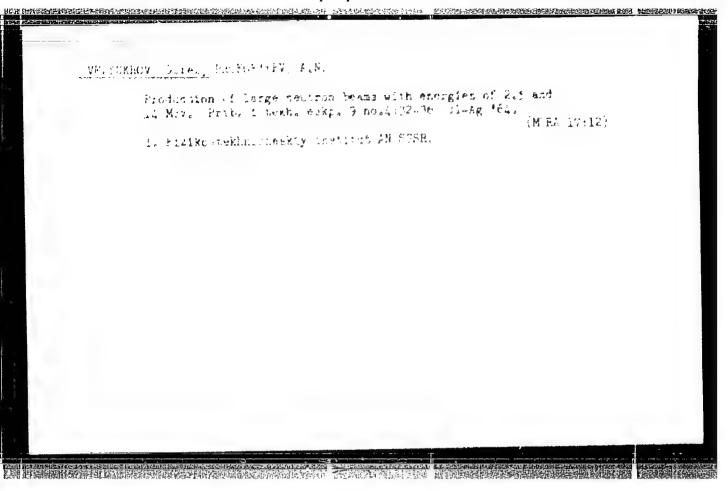
4) The curves (in both directions) d(1)/diko = f(E) recorded at 8 kv/cm in the course of 30 min, take a completely equal course for compositions 2 and 3 (Curves 3 and 4), and for 1 the curves recorded in the two directions (Curves 1 and 2) deviate from each other (of. the attached figure). There is qualitative agreement with the theory. There are 4 figures and 6 references: 4 Soviet, 1 US, and 1 Canadian.

Card 3/3

Card 3/3

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859320017-5"

The sales of the sales of



VELYUKHOV, G.Ye.; PROKOF'YEV, A.H.

Interaction of 14.1 Mev. reutrons with tritium. 14d. fiz. 1 no.6:1009-1013 Je 165. (MIRA 18:6)

1. Fiziko-tekhnicheskiy institut imeni Ioffe AN SSSR.

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3/638/61/001/000/017/056 B104/B138

24.6600

AUTHORS:

Velyukhov, G. Ye., Prokof'yev, A. N., Starodubtsev, S. V.

TITLE:

Study of capture reactions of light nuclei with 14.1-Mev

neutrons

SOURCE:

Tashkentskaya konferentsiya po mirnomy ispol'zovaniju atomnoy energii. Tashkent, 1959. Trudy. v. 1. Tashkent.

1961, 129 - 134

TEXT: The reaction $T(d, n)He^4$ was the neutron source for studying the reaction (n, d) with 14.1-Mev neutrons on a number of isotopes. The deuterons were accelerated to 260 Mev in a Cockcroft-Walton generator. The neutron yield was determined with a CsI(T1) monitor measuring the

chamber into which was placed the target of the test substance, the borch counters, the unseparated foils and the NaI(T1) crystal. To study angular distributions the whole chamber could be rotated about an axis running vertically through the target. The chamber was filled with a gas mixture Card 1/3

33094 S/638/61/001/000/017/056 B104/B138

Study of capture reactions ...

composed of 95% K_2 , 5% CH_4 ; pressure 150 mm Hg. Three reactions were studied: $F^{19}(n, d)0^{18}$; $P^{31}(n, d)Si^{30}$; $3^{32,34}(n, d)P^{31,33}$. Teflon (CF_2-CF_2) targets with a density of 5.1 mg/cm² were used for the first reaction. The neutron flux was $2 \cdot 10^9$ neutrons/cm². Red phosphorus deposited onto a platinum backing was used for studying reaction $P^{31}(n, d) = 0$. Density was 4.45 mg/cm^2 , neutron flux $2 \cdot 10^9 \text{ neutrons/cm}^2$. The natural isotope mixture was used for studying reaction $S^{32,34}(n, d)P^{31,33}$. The target was made by depositing sulfur onto a tantalum backing. Results are tabulated. There are 5 figures, 1 table, and 14 non-Soviet references. The four most recent references to English-language publications read as follows: Thomas R. G., Phys. Rev., 97, 224, 1955; Glenn, Frye. Phys. Rev., 93, 1087, 1957; Carlson R., Phys. Rev., 107, 1094, 1957; Rioe F. L. Phys. Rev., 106, 769, 1957.

ASSOCIATION: Leningradskiy fiziko-tekhnicheskiy institut AN SSSR (Leningrad Physicotechnical Institute AS USSR)

Card 2/3

Study of capture reactions ...

S/638/61/001/000/017/056 B104/B138

Table. Measurement results. Legend: (1) Reaction, (2) $\sigma(\theta) \cdot 10^{27}$, cm²/sterad, (3) Q, Mev, (4) θ = angle at which the chergy spectrum of the reaction products was taken, (a) authors data, (b) data obtained by F. L. Ribe (Phys. Rev., 106, 769, 1957).

(1)	в(θ)-10 ²⁷ € см² істерад		Q, M111 3		6º (
Тип реакции	наши дан- ные	pa60 7a [10]	изши данные	работа [10]	нашк данные	pa6013 [10]	lρ
F19 (n, d) O18	26,2	24	- 5,9±0,08	-5,79±0,08	0,039	0,036	s
Pai (n, d) Siao	32,5	_	-5.2 ± 0.2	~~ .	0.051	_	S
$S^{32,34}(n, d) P^{31,33}$	_	-	- 7,7±0,1	and 1	-		S
5 ^{12,34} (n, d) P ^{31,33}	-	_	-10,1±0,1		_		S

Card 3/3

VELYUKHOV, G. YE., CAND PHYS-MATH SCI, "INVESTIGATION of HORREL STATE OF NUCLEINF19, NE20, P31, AND S32 IN REACTIONS OF PICKUP HORREL (N. D). LENINGRAD, 1960. (ACAD SCIUSSR, RADIUM INST IN V. G. KHLOPIN). (KL, 3-61, 202).

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VilyuKhou, Gye

S/166/60/000/03/04/011 C111/C222

AUTHORS: Velyukhov, C.Ye., Prokof'yev. A.N., Academician AS Uz SSR, and Starodubtsev, S.V.

TITLE: A Method for Identifying Charged Particles From Reactions With Quick Neutrons

PERIODICAL: Izvestiya Akademii nauk Uzbekskoy SSR, Seriya fiziko-matematicheskikh nauk, 1960, No. 3, pp. 24 - 31

TEXT: For the investigation of the nuclear reactions (n,p), (n,d), (n,∞) the charged particles appearing during the configuration interaction must be identified; that leads to several difficulties. The authors propose a method basing on the measurement of $\frac{dE}{dx}$ while usually $\frac{dE}{dx}$ is measured. The

proposed method permits to identify dependably the charged particles in a large energy interval. The scheme of devices used for the application of the method is described in detail.

Card 1/2

A Method for Identifying Charged Particles From Reactions With Quick Neutrons

S/166/60/000/03/04/011 C111/C222

There are 4 figures and 1 non-Soviet reference.

ASSOCIATION: Leningradskiy fiziko-tekhnicheskiy institut AN SSSR (Leningrad Physical-Technical Institute AS USSR)

Institut yadernoy fiziki AN Uz. SSR (Institute of Nuclear Physics AS Uz SSR)

SUBMITTED: November 10, 1959

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Card 2/2

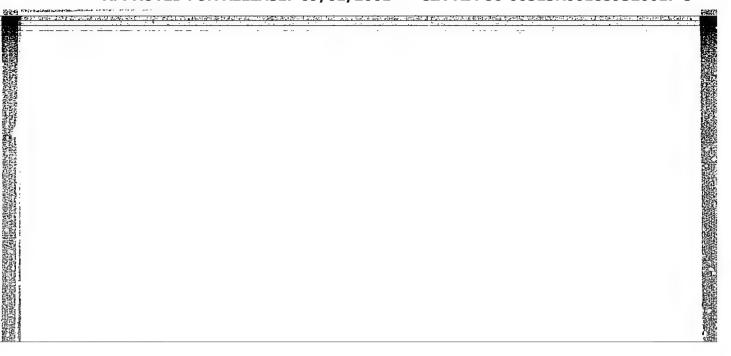
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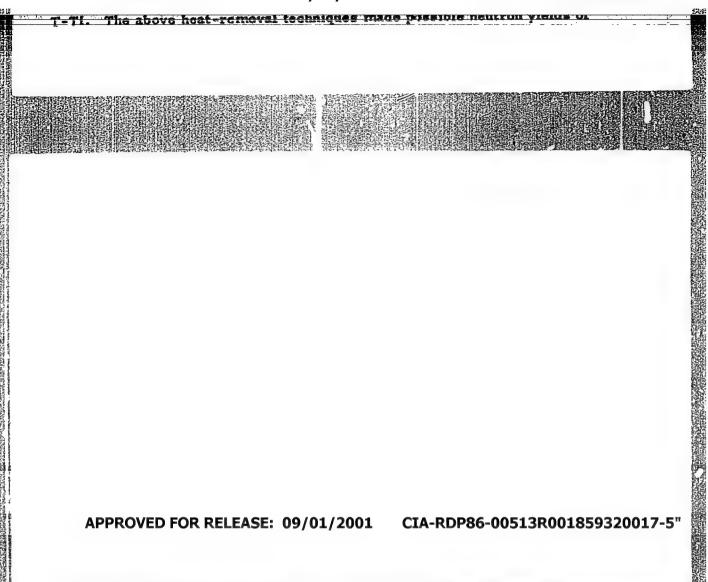
THE THE PROPERTY OF THE PROPER

VELYUKHOV, G.Ye.; PROKOF'YEV, A.N.

Neutron-neutron scattering. Izv. AN SSSR. Ser. fiz. 26 no.3: 1113-1115 Ag '62. (MIRA 15:11)

1. Fiziko-tekhnicheskiy institut imeni A.F.Ioffe AN SSSR. (Neutrons-Scattering)





S/056/60/039/003/047/058/XX 3006/B070

24,6600 AUTHORS: Velyukhev, G. Ye., Prokof'yev, A. N., Starodubtsev, S. V.

m = M + T .

Capture Reaction on F19, P31, and S32 Nuclei

TITLE:

Zhurnal eksperimental noy i teoreticheskoy fiziki. 1960,

PERIODICAL: Zhurnal eksperimental mag 2 - 565 Vol. 39, No. 3(9), pp. 563 - 565

TEXT: The authors had established in Ref. 1 that the differential cross sections of the reactions $F^{19}(n,d)0^{18}$ and $F^{31}(n,d)Si^{30}$ coincide if the transitions to the ground levels of 0^{18} and Si^{30} take place at $E_n = 14.1$ MeV. If it is assumed that this is due to the last protons of F^{19} and F^{31} being in the same state, a similar result should be expected for the reactions $F^{20}(n,d)F^{19}$ and $F^{32}(n,d)F^{31}$, since also in this case the last protons of F^{20} and F^{32} are in the same state $F^{32}(n,d)F^{31}$, the authors studied simultaneously the $F^{32}(n,d)F^{33}(n,d)F^{34}(n,d)F^$

Capture Reaction on F¹⁹, P³¹, and S³²

Nuclei

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p31, and s32. For this purpose a new method was used, which is described in Ref. 1, and which makes possible a better separation of the deuteron group. The reaction $3^{32}(n,d)p^{31}$ was investigated on a target with natural isotopic composition and the deuteron energy spectrum determined. Fig. 1 shows this for an angle of emission of 0° in the laboratory system. Q was found to be equal to (-7.7 ± 0.1) MeV, and the differential cross section at 0° was $(20.4 \pm 1.5).10^{-27}$ cm²/steradian. The differential cross section of the reaction $F^{19}(n,d)0^{18}$ at 0° was found to be $(21.4 \pm 1.1).10^{-27}$ cm²/steradian, and Q = (-5.9 ± 0.3) MeV. The cross section of the reaction $S^{32}(n,d)p^{31}$ was found to be $(21.8\pm1.2).10^{-27}$ cm² section of the reaction $S^{32}(n,d)p^{31}$ was found to be $(21.8\pm1.2).10^{-27}$ cm² and Q = (-5.2 ± 0.2) MeV. The deuteron angular distributions of these three reactions for (-30)° are shown in Fig. 2. The reaction cross sections decrease rapidly with increasing angles. Finally, the authors discuss a calculation of the reduced transition widths according to Butler's theory. The angular distributions calculated theoretically agree with the experimental results for all of the three reactions at an interaction

Card 2/3

81,961

Capture Reaction on F¹⁹, P³¹, and S³² Nuclai

S/056/60/039/003/047/058/XX B006/B070

radius of 5.1.10 cm. The authors thank A. P. Pulin and A. M. Tsvetkov for assistance. There are 2 figures and 3 references: 1 Soviet, 1 US,

ASSOCIATION: Leningradskiy Fiziko-tekhnicheskiy institut Akademii nauk SSSR (Leningrad Institute of Physics and Technology

of the Academy of Sciences USSR)

SUBMITTED:

April 16, 1960

Card 3/3

SOV/20-127-4-14/60 Velyukhov, G. Ye., Prokof'yev, A. H., Starodubtsev, S. V., 21(5) AUTHORS: Academician of the UzbSSR Investigation of the Reactions F19(n,d)018 and P31(n,d)S130 at a Neutron Energy of 14.1 Mev TITLE: Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 4, pp 781-783 PERIODICAL: (USSR) The present paper investigates the pick-up reaction (n,d) proceeding without the formation of a compound nucleus of the ABSTRACT: reactions mentioned in the title. The reaction $T(d,n)He^{4}$ was used as a neutron source at deuteron energies of 260 kev. A proportional counter was used as a monitor; the absolute measurement was carried out with the &-particles originating from the source reaction and recorded by means of a scintillation counter with CsJ(Tl)-crystal. A telescope consisting of two proportional scintillation counters was used for investigating the reaction products; the telescope was placed in the same chamber as the reaction target. One of the proportional counters was used for measuring the losses, the other one for determining the reaction energy which made it Card 1/3

PRO THE STANTIST PROPERTY OF THE PROPERTY OF T

Investigation of the Reactions $F^{19}(n,d)0^{18}$ and $F^{31}(n,d)Si^{30}$ at a Neutron Energy of 14.1 Mev

SOV/20-127-4-14/60

possible to determine these two factors at the same time. The results on the reaction energies agreed with those found by Wolfe et al (Ref 6). The differences in the energy lesses for protons and neutrons of the same energy amounted to ~75%. Therefore, both particles could be reliably identified. The angular distribution of the secondary particles was determined from the change in the angle between the telescope sxis and the direction in which the neutrons escaped. The background was determined under all angles under which the investigations were carried out. The energy spectra of the deuterons of the two reactions for the angle 0=0 are indicated in figures 1 and 2. Figure 3 shows the energy spectra of the deuterons of both reactions under 0 = 200, and figure 4 the deuteron angular distribution of both reactions (transition into the grand state); besides the experimentally determined values, all. diagrams also contain the theoretical curves (Butler et al).

Card 2/3

Investigation of the Reactions F19(n,d)018 and P31(n,d)Si30 at a Neutron Energy of 14.1 Mev

SOV/20-127-4-14/60

The value -5.9±0.3 Mev was obtained for the Q of the first reaction, and $Q = -5.2 \pm 0.2$ Mev was found for the second reaction. In the first case, besides the transition into the ground state, transitions to higher energy levels take place. The angular distribution was in good agreement with the theoretical values found by Butler (Ref 9). Finally, the authors thank A. P. Pulin and A. M. Tsvetkov for their assistance in the experiment. There are 4 figures and 12 references.

ASSOCIATION: Fiziko-tekhnicheskiy institut Akademii nauk SSSR (Institute of Physics and Technology of the Academy of Sciences, USSR)

SUBMITTED:

May 23, 1959

Card 3/3

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也是我们就是这种,我们还有我们的对对自己的的的。

Welyukhov, G.Ye.; PROKOF'TRV, A.N.; STARODUBTSRV, S.V., akademik

Method of identification of charged particles from reactions with fast neutrons. Isv.AN Uz.SSR.Ser.fiz,-mt.nauk no.3:24-31 '60.

(MIRA 13:8)

1. Leningradskiy fiziko-tekhnicheskiy institut AN SSSR i Institut yadernoy fiziki AN UzSSR. 2. AN UzSSR (for Starodubtsev).

(Neutrons)

(Nuclear reactions)

(Particles (Nuclear physics))

1,0106 S/048/62/026/008/028/028

14,6500

Velyukhov, G. Ye., and Prokof'yev, A. N.

AUTHORS:

Scattering of neutrons on neutrons

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 26,

no. 8, 1962, 1113 - 1115

TEXT: In theoretical papers (K. M. Watson, Phys. Rev., 88, 1163 (1952); V. V. Komarov, A. M. Popova, Zh. eksperim. i teor. fiz., 38, 1559 (1960)) it was suggested that the interaction of neutrons should be investigated in nuclear reactions such as $d+n \rightarrow p+2n$, the final product of which contains two interacting neutrons in the singlet state with a low energy with respect to the center-of-mass system. A target of deuterium polyethylene based on tantalum was bombarded with 14.1-Mev neutrons from the reaction The theoretical maximum energy E_p^m of the resulting protons is

11.8 Mev. According to Refs. 2 and 3, the neutron interaction leads to a maximum of the proton energy distribution at Em, which is given by

Card 1/2

S/048/62/026/008/028/028 B181/B102

Scattering of neutrons...

 $f(E_p) \sim \frac{\sqrt{E_p^m - E_p}}{E_p^m - E_p + 2/3\epsilon}$, where ϵ is the interaction energy. The true

principal maximum of the proton energy spectrum recorded in the direction of the primary neutrons is found at 11.7±0.2 Mev. The maximum occurring at 14.1 Mev is due to elastic collisions with the 5% hydrogen in the target. Because of losses in the target and the counters the principal maximum is, however, so indistinct that the interaction energy of neutrons in the singlet state cannot be exactly determined. However, the experiment shows that the reaction under consideration can be used to determine the interaction parameters of two neutrons. There are 2 figures.

ASSOCIATION: Fiziko-tekhnicheskiy institut im. A. F. Ioffe AN SSSR (Physicotechnical Institute im. A. F. Ioffe AS USSR)

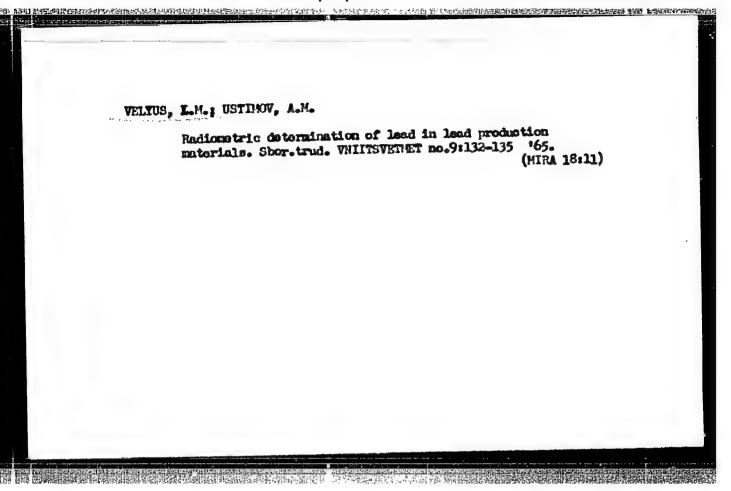
Card 2/2

KORZH, P.D.; VELYUS, L.M.

Lead determination by the absorption of radioactive rays in lead ore concentration products. Izv. vys. ucheb. zav.; tavet. met. 5 no.6:35-40 '62. (MIRA 16:6)

1. Magnitogorskiy gornometallurgicheskiy institut, kafedra fiziki.

(Lead ores_Analysis) (Radioisotopes_Industrial applications)



VELYUS, L.M.; KORCH, F.D.

1. Magnitogorskiy gornometallurgicheskiy institut, kafedra fiziki.

of Wicklian

Cherkasov, and Vecber, T.M.

TI AZ:

On the Effect of n-Toluidine on the Quantum Yields of Photo-Cxidation and Photo-Dimerization of Jertain Anthracene Derivatives.

PRICE INC. Cotica i spektroskopiya, 1950. Vol 7, Nr 3, pp 321-325 (USSR)

ABSTRACT:

The authors studied the effect of a-toluidine (which quenches fluorescence) on the quantum yields of fluorescence, photo-exidation and photodiscrization of 9-methyl-10-methoxymethylanthracene (I), which forms only a photo-oxide, and 9-methylanthracene (II), which forms only a Photo-dimer in oxygen-free solutions. The experimental technique was the same as used earlier (Ref 3). The values of the quantum yields of Places agence, photo-exidation and photo-dimerization of the substances I and II obtained at various concentrations of n-toluidine are shown in Figs 2 and 3. Figs 2a, 26 and 3 show that n-toluidine quenches strongly Iluorescence of alcohol solutions of I and II. In the range of concentrations used the reciprocal of the quantum yield of fluorescence is proportional to the concentration of n-toluidine. The quantum yields of the photo-chemical reactions are also reduced in the presence of n-toluidine, photo-oxidation being affected more strongly. For example. the quantum yield of photo-dimerization of the substance II, present in an oxygen-free solution to the extent of 6 x 10-3mole/litre, was 0.12 in

2470 1/4

On the Effect of n-Toluidine on the Quantum Yields of Photo-Oxidation and Photo-Oxidation of Certain Anthracene Derivatives.

the absence of n-toluidine and 0.05 when 3×10^{-2} mole/litre of n-toluidine was aided to the solution. The quantum yield of photo-oxidation of the substance I present to the extent of 6×10^{-3} mole/litre in an air-saturated ethanol solution, falls from 0.16 in the absence of n-toluidine to 0.015 when 3×10^{-2} mole/litre of n-toluidine was present. The authors compared the results obtained with a scheme which shows the successive stages of the photo-chemical reactions (Refs 1, 2). This scheme runs as follows:

$$A + hy + A^{*} + 1A$$
,
 $1A \rightarrow 3A$,
 $1A \rightarrow A + hy_{f}$,
 $1A + A \rightarrow A2$
 $1A + A \rightarrow 3A + A$,
 $1A + 0_{2} \rightarrow 3A + 0_{2}$,
 $3A + 3 \rightarrow A + 3$,
 $3A + 0_{2} \rightarrow A00$,
 $A00 \rightarrow A + 0_{2}$,
 $A00 + A \rightarrow A + A0_{2}$,

Jard 2/4

On the Effect of n-Toluidine on the Quantum Yields of Photo-Oxidation and Photo-Dimerization of Certain Anthracene Derivatives

where A, A*, lA, 3A represent molecules which are non-excited, initially excited and excited into singlet and triplet states, respectively; S represents a molecule of the solvent; O2 are oxygen molecules; A2 are photo-dimer molecules; A00 is an intermediate photo-oxide; A02 are photo-oxide molecules. From the above scheme it follows that a decrease in the quantum yield of photo-dimerization should be projectional to a decrease in the quantum yield of fluorescence in the case of decrease in the excited molecules by an external quenching agent. Fig 3 shows that the results obtained for photo-dimerization of II agree will with this prediction. The quantum yields of photo-oxidation of I will with this prediction. The quantum yields of photo-oxidation of I are, however, smaller (Fig 2e) than those predicted on the basis of the scheme given above. It is shown that to make the theory agree with the experimental data it is necessary to assume that the quenching agent interacts with molecules excited to the singlet state, deactivates them completely and it also decomposes the intermediate photo-oxide producing

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On the Effect of n-Toluidine on the Quantum Yields of Photo-Oxidation and Photo-Dimerization of Garthin Anthracene Derivatives

the original substance A. This can be represented by the following additional scheme:

 $^{1}A+T\rightarrow A+T,$

 $A00 + T \rightarrow A + T00$, where T is the quenching agent.

There are 4 figures, 1 table and 5 references, 3 of which are Soviet, 1 English and 1 French.

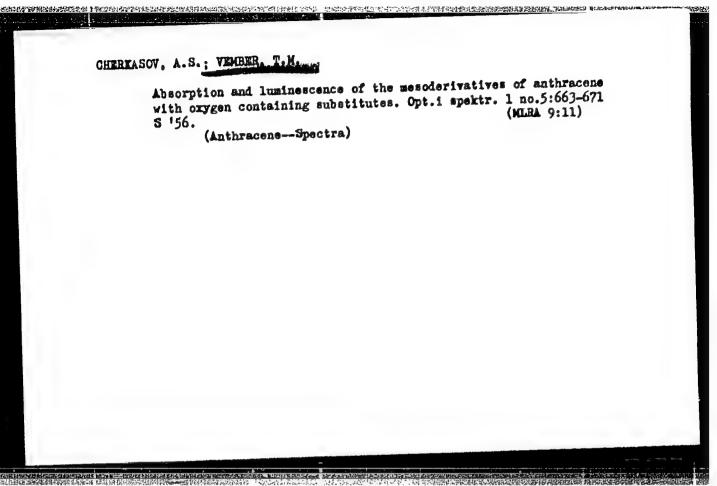
SUBMITTED: December 4, 1958

Card 4/4

VEMBER, T.M.; CHERKASOV, A.S..

Effect of certain fluorescence quenchers on quantum yields of photochemical transformations of 9-methylanthracene and 9-methyl-10-methoxymethylanthracene. Izv.AN SSSR.Ser.fiz. 24 no.5:577-581 by '60. (MIRA 13:5)

(Anthracene) (Fluorescence)



With the offect of some 9-monoderivatives of anthracene on quantum yield of their photochemical conversions and on quantum yield of fluorescence. Opt. 1 spektr. 6 no.2:232-234 ¥ 159.

(Anthracene) (Fluorescence—Spectra)

VEARER, T.M. Hechanism of the effect of aromatic amines on the fluorescence and photochemical oxidation of anthracene compounds. Dokl. AN SSSR 147 no.1:123-126 N '62.(MIRA 15:11) 1. Predstavleno akademikom A.N. Tereninym. (Anthracene) (Fluorescence) (Amines)

CHERKASOV, A.S.; VEMBER, T.M.

Effect of p-toluidine on the quantum yields of photooxidation and photodimerization of some anthracens derivatives. Opt. 1 apektr. 7 no.3:321-325 5 '59. (MIRA 13:3) (Anthracens) (Photochemistry) (Toluidine)

CHERXASOV, A.S.; VEMBER, T.M.

Miffect of oxygen on photochemical conversions and concentration quenching of the fluorescence of some anthracene derivatives.

Opt. 1 spektr 6 no.4:503-511 Ap '59. (MIRA 12:5)

(Anthracene) (Oxygen) (Fluorescence)

CHERKASOV, A.S.; VEMBER, T.M.

Kinetics of photochemical transformations and concentration quenching of fluorescence of 9-monoalkylsubstituted anthracene. Opt. i spektr. 4 no.2:203 F '58. (MIRA 11:4)

1.Gosudarstvennyy opticheskiy institut im. S.I. Vavilova.
(Anthracene) (Fluorescence) (Photochemistry)

SOV/51-6-2-17/39

STATES OF THE PROPERTY OF THE

AUTHORS:

Vember, T.M. and Cherkacov, A.C.

TITLE:

On Eutral Influence of Certain 9-Monoderivatives of Anthracene on Guantum Yields of Their Photochemical Transformations and on Quantum Yields of Fluorescence (O vzaimnom vliyanii nekotorykh 9-monoproizvodnykh antratoma na kvantovvye vykhody ikh fotokhimicheskikh prevrashcheniy i kvantovyyo vykhody flurrestsentsii)

PRRICHICAL: Ontika i Spektroskopiya, 1959, Vol 6, Mr 2, pp 232-234 (USSR)

..LUTRACT:

The authors reported earlier (Refs 1, 2) that monomescalkyl derivatives of anthracone undergo photochemical reactions in solution, producing, in the presence of oxygen, two stable products: a photo-oxide and a photo-dimer. The authors also reported that increase of the concentration of the anthracene derivatives in solution increases the quantum yields of the photochemical reactions and decreases the quantum yield of fluorescence. The present paper deals with the situation when two or more anthracene derivatives are present in a solution. The question was wnother (i, any one compound would behave simply as a foreign absorbing impurity or whether (ii) a mutual influence of one compound on another would be observed. The quantum yields of photo-exidation,

Jard 1/3

50V/51-6-2-17/39 On Lunual Influence of Certain 9-Monderivatives of Anthracens on Quantum Yields of Their Photochemical Transformations and on America Hields of Fluorescence

> photo-dimerization and fluorescence wars determined for alcohol solution of the following mixtures: (1) 3 x 10 hole/litro of 9-methylanthra:ene (Mea) and 3 x 10-3mole/litre of 9-sthylanthracone (Et1); (2) 6 x 10-3mole/litre of Men and 6 x 10-3mole/litre of EtA; (3) 3×10^{-3} nole/litre MeA, 3×10^{-3} and 3×10^{-3} mole/litre 9-n-propylanthracene (PrA); (4) d x 10-3mole/litre MeA, 6 x 10-3mole/litre Eta and 6 x 10 mole/litre PrA; (5) 3 x 10 mole/litre MeA and 9 x 10-3 mole/litro 9-acotoxyanthr. sene (Acl); (6) 6 x 10-3 mole/litre MeA and 6 x 10-3mole/litre AcA; (7) U x 10-3mole/litre MeA and 3 x 10 -3 mole/litro AcA. These sclutions were illuminated with light of 365 mm rayelength. At the concentrations used all incident light rms absorbed in the solutions. These experiments were carried out at 20°C; they are described in greater detail by the authors in Ref 1. the experimental values of the quantum yields of photo-exidation (Pi), photo-dimerization (\varphi_d) and fluorescence (B) obtained by the authors are given in a table on p 233. This table quotes also the values of the three quantum yields calculated assuming either conditions (i) or

Card 2/3

On Mutual Incluence of Certain 9-Monoderivatives of Anthracene on Quantum Yields of Their Photochemical Transformations and on Quantum Yields of Fluorescence

(ii). The data given in the table show clearly that, when more than one anthracene derivative is present in an alcohol solution, the quantum yields of the photochemical reactions increase and the quantum yield of fluorescence decreases, i.e. addition of one of these compounds to a solution is equivalent to increase of concentration of the original solute. This behaviour is due to formation of mixed dimers consisting of molecules of two different compounds, as well as dimers consisting of two identical molecules. A similar interaction between molecules of different substances and between molecules of the same substance is observed in the fluorescence spectrum. In concentrated solutions of mixtures of anthracene derivatives a new fluorescence band (shown in a figure on p 233) appears, similar to a band which appears in single-component concentrated solutions. There are 1 table, 1 figure and 4 references, 3 of which are Soviet and 1 German.

SUEWITTED: May 12, 1958

Card 3/3

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ACCESSION NR: AP5020806 / Fig.

UR/0048/65/029/JGE/1391/1393

AUTHOR: Vember, T. M.

TITLE: Investigation of the kinetic scheme of photochemical transformation anthracene compounds in solutions [Report, 13th Conference on Luminescence held in Khar'kov 25 June to 1 July 1964]

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 29, no. 8, 1965, 1391-1393

TOPIC TAGS: anthracene, solution property, luminescence, luminescence quenching, photochemistry, oxidation kinetics

ABSTRACT: This short paper is devoted to a discussion of experimental data in the literature (in the accumulation of many of which the author participated) concerning fluorescence and photo-oxidation of anthracene compounds in solution. The principal theses that the author defends in this discussion are that excited triplet molecules participate in the photo-oxidation, and that triplet molecules are formed in the course of concentration quenching of the luminescence. Among the experimental facts adduced in support of these theses are the following: The quantum fluorescence efficiency of 9-methyl-10-methoxymethylanthracene in alcohol tolution depends less strongly on the oxygen concentration than does the quantum

Card 1/2

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ACCESSION NR: AP5020806

yield of photo-exidation. Potassium iodide quenches the fluorescence of anthricene compounds much more strongly than it depresses the photo-exidation yield, and carbon disulfied, which strongly quenches the fluorescence, actually increases the quantum yield in photo-exidation of 9-10-di-n-propylanthracene. The ratio of the quantum yield of fluorescence to that of photo-exidation in the presence of a quenching agent depends linearly on the concentration of the latter. Experimental data on photo-exidation and luminescence quenching by exygen in 9-methyl-10-methoxymethylanthracene indicate that the process of concentration quenching of the fluorescence involves excitation of triplet states. The author closes by noting that there are many data which indicate that excited dimers (excimers) are formed in the concentration quenching of the fluorescence of complex organic compounds, and that Th. Förster (Pure and Appl. Chem., h, 121, 1962) has concluded that the excited dimers are deactivated by transition to the triplet state and subsequent decomposition into a triplet monomer molecule and a monomer molecule in the ground state. Orig. art. has: 3 figures and 1 table.

ASSOCIATION: none

SUBMITTED: 00

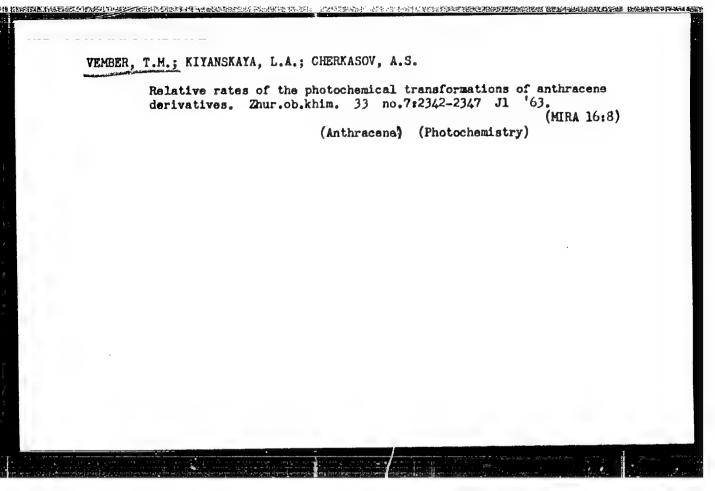
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OTHER: 007



24(7), 5(4)

AUTHORS :

Cherkasov, A.S. and Vember, T.M.

SOV/51-6-4-15/29

TITLE:

On the Effect of Oxygen on Photochemical Transformations and on Concentration Quenching of Fluorescence in Certain Derivatives of Anthracene (O vliyanii kisloroda na fotokhimicheskiye prevrashcheniya i kontsentratsionnoye tusheniye fluorestsentsii nekotorykh proizvonykh antratsena)

PERIODICAL: Optika i Spektroskopiya, 1959, Vol e, Nr 4. pp 503-511 (USSR)

ABSTRACT:

The authors showed earlier (Ref 1) that concentration quenching of fluorescence of mesomonoalkyl derivatives of anthracene is due to interaction of excited molecules with non-excited ones, as a result of which stable photo-dimers may be formed. In order to study further the processes of absorption of light energy by such substances, the authors investigated the effect of oxygen on the quantum yields of fluorescence and the quantum yields of photo-dimerization and photo-exidation to 9-methylanthracene, 9-ethylanthracene, 9-n-propylanthracene and 9-methyl-10-methoxymethylanthracene. The experiments were carried out at 20°C. Ethyl alcohol was used as the solvent. The solutions were illuminated with light from a mercury lamp SVD-120 of wavelength ~365 mu.

Card 1/4

On the Effect of Oxygen on Photochemical Transformations and on Concentration Quenching of Fluorescence in Certain Derivatives of Anthracene

Various amounts of oxygen were introduced into the solutions by saturating them with oxygen, air or a mixture of oxygen and nitrogen at atmospheric pressure. Oxygen was removed from the solutions by blowing of pure nitrogen through them, boiling and eventual cooling or by pumping air out of them (after freezing the solutions with liquid The monoalkyl derivatives of anthracene in alcohol solutions form simultaneously photo-oxides and photo-dimers in the presence of oxygen and under the action of light. In contrast to these compounds, 9-methyl-10-methoxymethylanthracene forms only a photo-oxide. On increase of concentration of the studied substances the quantum yield of fluorescence decreases and the quantum yields of photo-dimerization and photo-oxidation increase. The values of the experimentally determined quantum yields of fluorescence (B) and of photo-exidation (95) and photo-dimerization (va), on various concentrations of the stude va substances ([A]) and oxygen ([O2]) are given in Table 1. This table shows that oxygen quenches fluorescence whose yield falls with increase of the amount of oxygen in solutions. The oxygen quenching effect decreases on increase of concentration of the studied substance and the concentration quenching decreases on increase of the amount of dissolved

Card 2/4

On the Effect of Oxygen on Photochemical Transformations and on Concentration Quenching of Fluorescence in Certain Derivatives of Anthracene

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oxygen. This suggests that the two processes compete with one another. Dependence of the reciprocals of the quantum yields of fluorescence on the concentration of exygen (Fig la) and on the concentration of the substance (Fig 1) are very nearly straight lines, which suggests a diffusion nature of these two quenching processes. The authors explain the results as follows. The solute molecules excited by photons interact with the solvent and become singlet-excited or triplet-excited molecules. The singlet-excited molecules are de-excited by photon emission (i.e. fluorescence) or by interaction with non-excited solute molecules (concentration quenching of fluorescence) to form photo-dimers. Alternately, the singlet-excited molecules may interact with O2 (exygen quenching of fluorescence) or with non-excited solute molecules (concentration quenching of fluorescence) to form triplet-excited molecules. The triplet-excited molecules interact with O2 to produce photo-exides. The above scheme is confirmed by the agreement between the theoretical (continuous) curves deduced from this scheme and the experimental points (dots, crosses, circles and triangles) shown in Figs 2 and 3.

Card 3/4

SOV/51-6-4-15/29

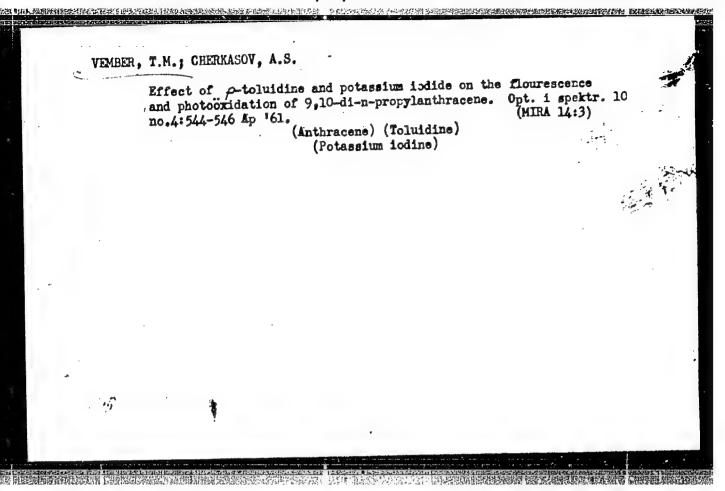
On the Effect of Oxygen on Photochemical Transformations and on Concentration Quenching of Fluorescence in Certain Derivatives of Anthracene

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Fig 2 gives the dependence of the quantum yield of fluorescence on the concentration of the substance. Fig 3a gives the quantum yield of photo-oxidation of 9-methyl-10-methoxymethylanthracene on the amount of oxygen. Fig 36 gives the dependence of the quantum yields of photo-oxidation and photo-dimerization on the concentration of the substance. There are 3 figures, 2 tables and 15 references, 6 of which are Soviet, 3 German and 6 English.

SURMITTED: April 2, 1958

Card 4/4



T. M. VEMBER

OSSR/Physical Chemistry - Molecule, Chemical Bond.

B-4

Abs Jour

: Referat Zhur - Khimiya, No 1, 1958, 95

Author

: A.S., Cherkasov, T.M. Vember.

Inst Title : Absorption and Luminescence of Mesoderivatives of Anthra-

cene with Oxygen Containing Substitutes.

Orig Pub

: Optika i spektroskopiya, 1956, 1, No 5, 663-671

Abstract

The ultraviolet absorption spectra (AS) and fluorescence spectra (FS) of solutions of anthracene, 9-acetylanthracene, 9-benzoylanthracene, 9-anthracenecarboxylic acid, 9-acetoxyanthracene, 9-metoxyanthracene, 9-chloro-10-anthracenecarboxylic acid, 9-bromo-10-anthracenecarboxylic acid, 9-bromo-10-anthracenecarboxylic acid, 9, 10-diacetoxyanthracene, 9,10,-dimetoxyanthracene, 9-methyl-10-metoxyanthracene, 9-chloro-10-metoxyanthracene and 9-bromo-10-metoxyanthracene in ethyl alcohol were studied. The absorption spectra have the appearance characteristic of anthracene. The influence of substitutes

Card 1/3

USSR/Physical Chemistry - Molecule, Chemical Bond.

B-4

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 95

is expressed in a certain diffusion of the vibration structure of the long-wave band and in the shift of spectra to the lower frequency side. The fluorescence spectra are more sensitive of substitutes. The diffusion of the vibration structure of bands is the greatest, if there were no steric hindrances for the rotation of the substitutes. It is obvious that the position of the substitute with reference to the ring in such a case is such that its interaction with the ring is the greatest. The shift of AS and FS of di-replaced anthracene is approximately equal to the sum of shifts caused by each substitute separately. The introduction of electron-acceptor substitutes (CH3CO, C6H5CO, COOH) results in a complete or nearly complete disappearance of fluorescence. Substitutes of the electron-donor character decrease the fluorescence emission considerably less. As compared with the

Card 2/3

USSR/Physical Chemistry - Molecule, Chemical Bond.

B-4

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Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 95

monoderivatives, the fluorescence emission of diderivatives is greater as a rule, if both the substitutes were of the same type with reference to their influence on the distribution of electrons in the anthracene nucleus. The oscillator forces were computed for all compounds. See also RZhKhim, 1956, 53634.

Card 3/3

USSR/Physical Chemistry, Photo Chemistry, Radiation Chemistry, B-10 Theory of Photographic Process.

Abs Jour : Ref Zhur - Khimiya, No 7, 1957, 22450.

Forster (Forster T. Fluroeszenz organischer Verbindungen, Gottingen 1951, S.158) than by usual formula of Kravz-Einstein. (a and Te_n (a concords well in case of derivatives at which a is greater than at Λ). The diminishing of the value of T, Te/n) (a in case of substitutes is explained in this case by the presence of damping, not related to the decrease of T.

Card 2/2

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BOURCE CODE: UR/0051/66/020/002/0347/0349 ENT(1)/ENT(m)/EMP(1) IJP(c) 24267-66 ACC NR. AP6007014 42 B AUTHOR: Vember, T. H. TITIE: Quenching of the fluorescence of mesodisubstituted anthracene derivatives by ORG: none anthracene, and the formation of mixed photdimers SOURCE: Optika i spektroskopiya, v. 20, no. 2, 1966, 347-349 TOPIC TAGS: anthracene, photochemistry, fluorescence quenching, absorption band, light excitation, nonmetallic organic derivative, quantum yield ABSTRACT: This is a continuation of earlier work by the author (with A. S. Cherkasov, Opt. i spektr. v. 6, 323, 1959) dealing with the mutual fluorsecence quenching and the mixed dimers which occur when solutions of mixtures of several anthracene derivatives are irradiated in the region of their absorption bands. To check whether fluorescence quenching of the derivatives and formation of mixed photodimers might also occur when anthracene molecules interact with excited molecules of their mesodisubstituted derivatives, the author studied two mixtures, anthracene and 9,10-41-npropyl-anthracene, and authracene and 9-methyl-10-methoxymethyl-anthracene. Excitation was with the 405 mm line from a mercury vapor lemp. The quantum yield was determined as a function of the anthracene concentration. The measurements showed that as the concentration of the antiracene in the solution incressed, the fluorescence quantum yield of the mesodisubstituted derivative decreased so that the reciprocal quantum yield was a linear function of the enthracene concentration. The UDC: 535.370 + 535.217 Cord 1/2

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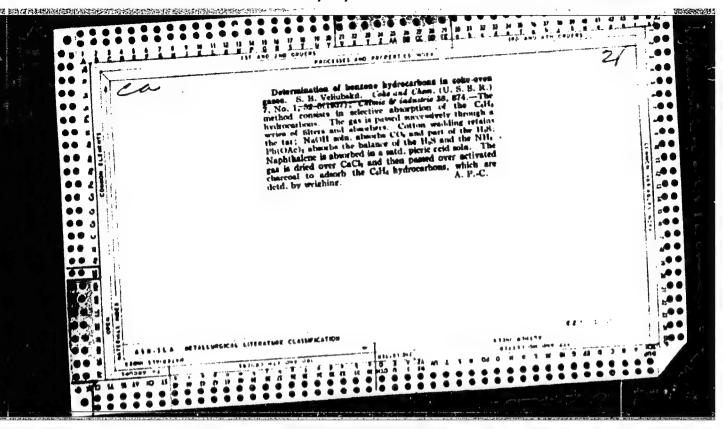
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rate constants of the fluorescence quenching of the mesodismustituted unthracene were found to be 2.1 and 6.0 x 10° liter-mole-1 sec-1 for the 9,10-di-n-propyl-anthracens and 9-methyl-10-methoxymethyl-anthracene, respectively. The quantum yields of the photochesical reactions were determined and were found to be 0.05 for I and 0.08 for II, containing anthracene at a concentration of 10-2 mole/liter and the sesotismsstituted derivatives at a concentration of 3 x 10-3 sole/liter. The quantum yields for the flurarescence quenching of the menodisubstituted derivatives by the antipracens for these solutions was 0.75 and 0.41 respectively. This same that only about 20% is a provided in formation of stable الم الم المستولي لا الم

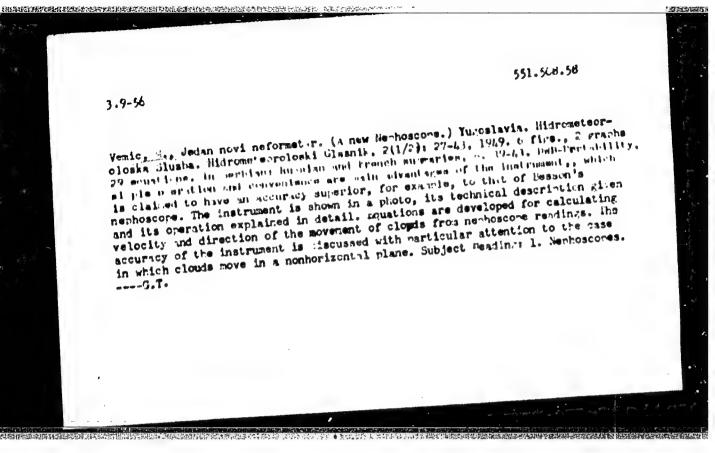
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VELITIEIT, A.P. (Leningrad) Iffect of vitamin C content of blood and tonsillar tissue on Mifect of vitamin C content of blood and tonsillar tissue on Note: 62-64 hemorrhages following tonsillactomy. Vest. ote-rin. 16 no.4:62-64 (NIRA 7:8) J1-Ag '54. *relation to hemorrh. after tonsillactomy) (TONSILS, surgery. *postop. hemorrh., relation to vitamin C metab.) (HEMORRHADE. *in tonsillactomy, relation to vitamin C metab.)



"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001859320017-5



VENIC. M.

PA 162191

YUGOSLAVIA/Meteorology - Clouds 1949
Meteorological Instruments

"A New Nephoscope," M. Vemic

"Hidrometeoroloski Glasnik" Vol II, No 1/2, pp 27-43

Describes new nephoscope distinguished by many advantages, e.g., portability, easy regulation, in comparison with previous instruments. Claims accuracy exceeds that of comb nephoscope.

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VEMLOV, I. P.		THE CHARLEST THE PROPERTY OF THE CHARLEST THE STATE OF TH	est KESS
-		PA 237T63	
	USSR/Geophysics - Isotherms		
	"Variation of the Thermal Field With H Phys-Math Sci I.P. Vemlov, Moscow Cent Forecasting	Dec 52 Leight," Cand Cral Inst of	
	"Meteorol i Gidrol" No 12, pp 23-25		
	Discusses rules governing changes of decorer of isotherms with height, which are duced to the horizontal surface, as a confiderable of distribution of vertical temp gradies	changes are	
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VEL'TMAN, R.P.; ZHUKOVSKIY, L.I.; PONOMAREV, L.Ye.; VEMYAN, A.Zh.;
BENENSON, M.P.; ZALMANENOK, V.S.; KRUPENKO, T.I.; BABICH, Z.Ye.;
GUTMAN, L.B.; ALIMOV, T.U.; YAKUNIN, P.N.; KRYZHANOVSKAYA, N.L.;
AKIRI DORF, A.L.; MUSINA, S.A.; KLEYF, A.D.; LUTSEVICH, F.V.;
LEVI.SON, O.S.; TURBINA, N.S.

Brief reports. Sov. med. 28 no.10:144-148 0 '65.

1. Kiyevskiy institut tuberkuleza i grudnoy khirurgii (for (MIRA 18:11) Vel'tman, Zhukovskiy). 2. 3-ya kafedra khirurgii TSentral'nogo instituta usovershenstvovaniya vrachey, Moskva (for Ponomarev, Vemyan, Benenson). 3. Kafedra propedevticheskoy terapii Grodnenskogo meditsinskogo instituta i l-ya klinicheskaya bol'nitsa imeni Solov'yeva, Grodno (for Zalmanenok, Krupenko). 4. Ukrainskiy nauchno-issledovatel'skiy institut okhrany materinstva i detstva imeni Buyko, Kiyev (for Babich, Gutman). 5. Klinika gospital'noy khirurgii Andizhanskogo meditsinskogo instituta (for Alimov). 6. Kafedra voyenno-nolevoy terapii Voyenno-meditsinskoy ordena Lenina akademii imeni Kirova, Leningrad (for Mitropol'skiy, Latysh, Murchakova). 7. Kafedra urologii I Moskovskogo ordena Lenina meditsinskogo instituta (for Aksel'dorf). 8. 4-ya infektsionnaya klinicheskaya bol'nitsa Ufy (for Musina). 9. Chernovitskaya detskaya oblastnaya klinicheskaya bol'nitsa (for Kleyf). 10. Klinika obshchey khirurgii lechebnogo fakul'teta I Moskovskogo meditsinskogo instituta imeni Sechenova i patologoanatomicheskoye otdeleniye klinicheskoy bol'nitsy No.23 imeni Medsantrud, Moskva (for Lutsevich, Levinson). (Cont. next card)

VEL'TMAN, R.P.; (Continued) Card 2:

ll. Gematologicheskaya klinika TSentral'nogo ordena Lenina
instituta gematologii i perelivaniya krovi, Moskva (for Turbina).

VEN, Mihaly; SZANYI, Andras

Report by the Work Committee on Industrial Installations of the Hungarian Electrotechnical Association. Villamossag 13 no.4:

1. Head, Work Committee on Industrial Installations of the Hungarian Electrotechnical Association (for Ven). 2. Secretary, Electrotechnical Association (for Szanyi).

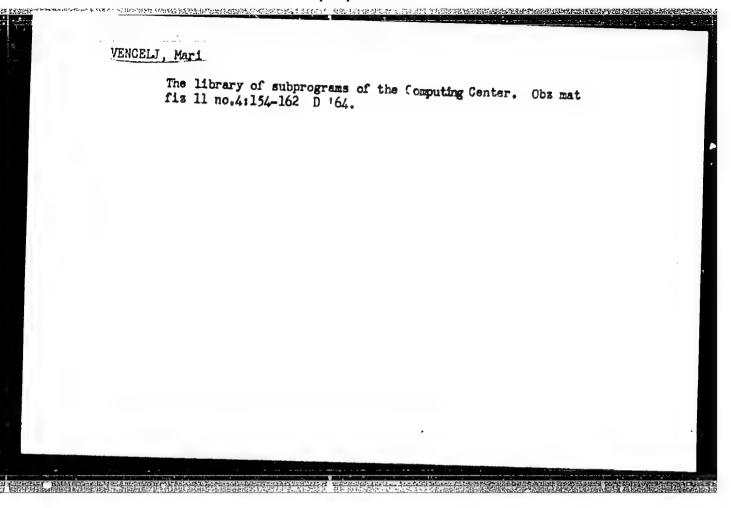
VENERIN, A.Z.; TITOV, P.S., prof.

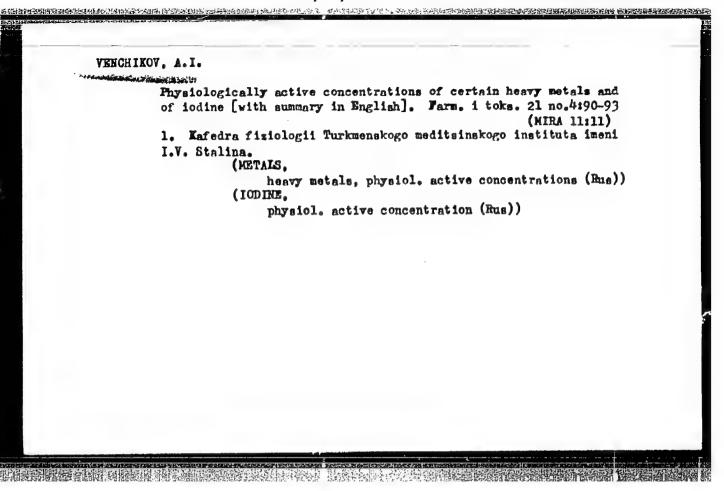
Investigating the cathodic process during the electrodeposition of copper-lead alloys from pyrophosphate electrolytes. Izv. vys. ucheb. zav.; tsvet. met. 8 no.4:140-144 *65. (MIRA 18:9)

l. Kafedra korrozii metallov Moskovskogo instituta stali i splavov.

Cyanide-tartrate electrolydes for the preparation of supervised alloys. Tot. was whob. Far. tovet. met. 8 no. 1651.

1. Meskovsky institut stall i splayov, kaiedra keriesii i zashchity metallov.





VENCHUNGY, M. I.

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USuR/ Electricity - Cables books

Feb 51

"Review of I. I. Grodney and B. F. Miller's Book 'Communications Cables, '" Z. F. Unstin, K. A. Lyubimov, M. I. Venchugov, Ang neers, State Loi Res Inst of Cable Ind.

"Elektrichestvo" No 2, pp 94, 95

Favorable review of subject book, in which are investigated the principles of communications cable theory, principles of their elec calculation and constr, and problems involving production technol of sym and coaxial cables. Special attention is given to the theory of influence in cable circuits, constr of coaxial cables, and shielding. Tublished by "Gosenergoizdat," 480 pp, R 15:65

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VEMOLA, L., MUDr.

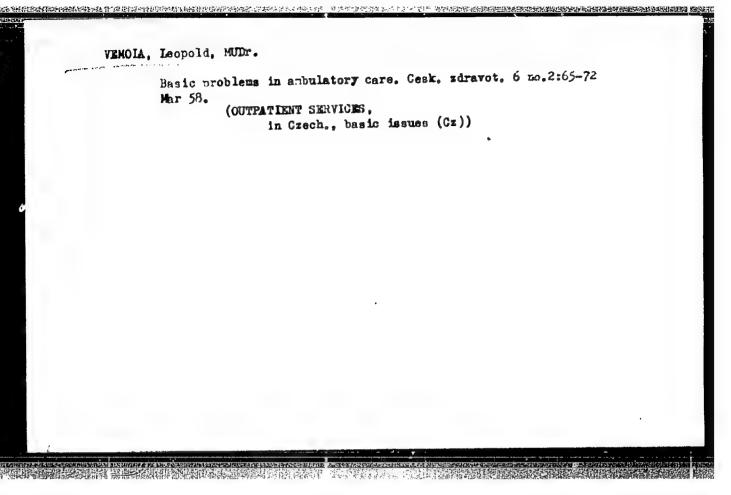
10 anniversary of the Svitavy general hospital. Cesk. zdrav.
11 no.7/8:294-298 "63.

(HOSPITALS)

VEMOLA, L., MUDr.

10 anniversary of the Svitavy general hospital. Cesk. zdrav.
11 no.7/8:294-298 *63.

(HOSPITALS)



VENOIA, Leopold Primary carcinoma in a diverticulum of the urinary bladder. Rozhl. chir. 38 no.10:712-715 0 '59. 1. Chirurgicke oddeleni OUNZ ve Svitavach, prednosta MUDr. L. Venola. (BLADDER neopl.) (CARCINOMA case reports)

VEMOLA, Leopold, MUDr.

Practical experiences for organizers at the base of the Institute of Postgraduate Training in Svitavy. Cesk. zdravot. 4 no.6:342-344 June 56.

1. Reditel Okresniho ustavu narodniho zdravi ve Svitavach.
(PUBLIC HEALTH, education,
in Czech., pub. health organizers (Cz))

VENOIA, Leopold

Primary carcinoma in a diverticulum of the urinary bladder. Rozhl. chir. 38 no.10:712-715 0 '59

1. Chirurgicke oddeleni OUNZ ve Svitavach, prednosta MUDr. L. Vemola (BIADDER, neopl.)
(CARCINOMA, case reports)

PALEC, R., MUDR.; STICH, Zd., MUDR.; SKRBKOVA, T., MUDR.; YENOLA, L., MUDR.

United hospitals in Czechoslovakia. Cesk. zdravot. 5 no.1:
21-28 Jan 57.

(HOSPITALS,
in Czechoslovakia, united hosp. system (Cz))

KERTAY, Nandor, dr.; VEN, Ferenc, dr.; HORVATH, Jozsef, dr.

Isolation of Mycobacterium tuberculosis bovin in human tuberculosis in the Kiskoros Region, Nepegeszsegugy 42 no.2:41-43 F 61.

l. Kozlemeny az Orszagos Koranyi Tbc. Intezet (igazgato-foorvos:
Boszormenyi Miklos dr. kandidatus, tudomanyos vezeto: Foldes Istvan
dr. kandidatus) mikrobiologiai osztalyarol (vezeto: Kertay Nandor
dr. kandidatus), a kiskorosi jarasi tbc. gondozo intezetbol
(vezeto: Yen Ferenc dr. foorvos) es a jarasi allarovosi invatalbol
(vezeto: Horvath Jozsef dr. foallatorvos).

(MYCOBACTERIUM BOVIS)

ANDO, Jeno; MATEFFY, Sandor; VEN, Mihaly; SEVESTYEN, Endre; FELKAI, Aurel; CERVAI, Zoltan; MAYER, Laszlo; CREGOR, Aladar; RASCHOVSZKY, Lajos; SZELES, Lajos; BEKE, Gyula

Remarks on the article "The most important problems of technical development of electric installations in industrial plants and tasks for the manufacturing industry related to this. Villamossag 9 no.1/3:42-46 Ja-Mr '61.

1. A Villamos Eloszerelo Vallalat fomernoke (for Ando).
2. A Koho-es Gepipari Miniszterium Tervezo Irodai villamos tervezesi osztalyanak vezetoje (for Mateffy). 3. A Villamos Allomasszerelo Vallalat formernoke (for Ven and Felkai).
4. Vegyimuveket Tervezo Vallalat (for Sebestyen). 5. Konnyuipari Tervezo Iroda (for Gervai). 6. E.M. Tipustervezo Inteset (for Gregor). 7. E.M. Ipari es Mezogazdasagi Tervezo Vallalat (for Raschovszky). 8. Orszagos Villamosenergia Felugyelet (for Szeles). 9. Orszagos Villamosenergia Felugyelet (for Beks).

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ANDO, Jeno; MATEFFY, Sandor; VEN, Mihaly; SEVESTYEN, Endre; FELKAI, Aurel; GERVAI, Zoltan; MAYER, Laszlo; GREGOR, Alder; RASCHOVSKY, Lajos

Remarks on the article "The most important problems of technical development of electric installations in industrial plants and tasks for the manufacturing industry related to this. Villamossag 9 no.1/3:42-46 Ja-Mr *61.

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VEN, Mihaly, okleveles gepeszmernok, tanacsado fomernok

Up-to-date development of Hungarian-made low-voltage switchgears.

Villamossag 11 no.6:162-163 Je 163.

1. Villamos Allamasszerelo Vallalat.

	Important link. 0	khr.truda i sots.strakh.	4 no.11:30 N '61. (MIRA 14:12)	
	1. Doverennyy vrac	h Kemerovskogo oblsovprof (Kemerovo ProvinceMed	a. icine, Industrial)	
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